

GGS Industrial Well Figures

A-C Diesel Fire Water Pump	Quantity (Gallons)
Weekly Test – 30 min @ 1000gpm	1,560,000
Quarterly Testing – 4 hours @ 1000 gpm	960,000
Yearly Fire Pump Test – 1,000gpm for 1 hour	60,000
Air Heater Hydro Wash – 5 days @ 1000gpm	7,200,000

Total Usage ~ 9,780,000

Potable Water Well #1

Weekly Test - 60mins@350 gpm	1,092,000
Quarterly Potable Water Bacteria Test – 30 mins @350 gpm	42,000

Total Usage ~ 1,134,000

Potable Water Well #2 and #3 combined total

Anion Regen – 25 per year, 40,000 gal per each	1,000,000
Cation Regen – 8 per year, 15,000 gal per each	120,000
Mixed Bed Regen – 8 per year, 15,000 gal per each	120,000
Polisher Recoat – 35 per year, 37,000 gal per each	1,295,000
Potable Water General Plant Use – 300gpm, 24/7	157,680,000
Potable Water Boiler Make up both units – 210 gpm, 24/7	110,376,000
Outage Boiler Fills – 3 outages per unit per year	2,750,500
Unit 1 – 437,000 gal/per outage	
Unit 2 - 479,000 gal/per outage	

Total Usage ~ 273,341,500

Note – Total Usage for PW#2 and PW#3 is split evenly between the two due to GGS equipment swapping process.

Total Estimated Industrial Well Usage – 284,255,500 gallons per year

Figures contained here-in are a best guess estimate of typical yearly usage based upon limited measuring equipment and several assumptions utilized for developing figures. Outage scope variability, forced outages, equipment malfunctions, etc will have a considerable effect on yearly water usage totals.